

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,583,745 B2  
APPLICATION NO. : 10/581509  
DATED : September 1, 2009  
INVENTOR(S) : Pasanen et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

1. At column 26, line 23, claim 4, line 19, please delete the phrase "said matrix modulated data symbols".
2. At column 29, line 13, claim 29, line 5, please remove the word "resrective" and replace it with --respective--.

Signed and Sealed this

Third Day of November, 2009

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and a stylized 'K'.

David J. Kappos  
*Director of the United States Patent and Trademark Office*